

Amendments to the Claims:

Please amend the claims as set forth below.

1-49 (Canceled)

50. (Currently amended) A method of decontaminating a contaminated surface, the method comprising: spraying an electrically charged photosensitizer having aerosol droplets projected in a stream towards an object, said aerosol droplets being greater than 50 μm in diameter onto the contaminated surface of a person-occupiable space, in an environment open to the person-occupiable space; illuminating the sprayed surface with light to cause chemical reactions to decontaminate the surface.

51. (Previously presented) The method according to claim 50 wherein the photosensitizer is a solution, and the step of spraying the photosensitizer onto the contaminated surface comprises electrically charging at least one component of the solution.

52. (Previously presented) The method according to claim 50 further comprising controlling the temperature of the sprayed photosensitizer to enhance the formation rate, mobility, or the decontaminating activity of the photo-products and their ensuing reactions.

53. (Previously presented) The method according to claim 50 wherein the photosensitizer includes hydrogen peroxide.

54. (Previously presented) The method according to claim 50 wherein the step of illuminating the sprayed surface is done with a continuous beam.

55. (Previously presented) The method according to claim 54 wherein the step of illuminating the sprayed surface is done with light having a wave length between about 200 nm and about 320 nm.

56. (Previously presented) The method according to claim 50 wherein the photosensitizer includes a surfactant.

57. (Previously presented) The method according to claim 50 wherein the light includes light of wavelengths between about 200 nm and about 320 nm.

58. (Previously presented) The method according to claim 50 wherein the photosensitizer includes solid or liquid carrier particles.

59. (Previously presented) The method according to claim 50 wherein spraying an electrically charged photosensitizer further comprises spraying an electrically charged photosensitizer using a portable, field-deployable sprayer.

60. (Previously presented) The method according to claim 59 wherein said light is UV light.